

19980507.qrp v01_n084.qrs.980507

Date: Thu, 7 May 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1084

QRP-L Digest 1084

Topics covered in this issue include:

- 1) [10354] The truth about Tony Romas and Pacificon
by Bill Jones <kd7s@psnw.com>
- 2) [10355] thanks on startek
by "Jerry W. O'Dell" <psyodell@mail.provide.net>
- 3) [10356] 2n1274
by "Jerry W. O'Dell" <psyodell@mail.provide.net>
- 4) [10357] LDG automatic tuner 4 sale (QRP)
by W7LS <w7ls@blarg.net>
- 5) [10358] 2222: a late design
by Kent Torell <torell@sicom.com>
- 6) [10359] Stake Stick Vertical
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 7) [10360] Parts- Mark II
by n5inz@juno.com (John M Andrews)
- 8) [10361] Dayton Rooms at Days Inn South
by Hank Kohl K8DD <k8dd@contesting.com>
- 9) [10362] Re: Bench antenna simulator
by Steven Weber <kd1jv@moose.ncia.net>
- 10) [10363] Re: Elmer 101: Mixer discussion questionS...
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 11) [10364] Re: SUMMER FOXHUNT V1.0
by Frank Kienast <fgk@iquest.net>
- 12) [10365] FYBO '98 Results!
by Joe Gervais <vole@primenet.com>
- 13) [10366] FYBO '98 Trivia
by Joe Gervais <vole@primenet.com>
- 14) [10367] FYBO '98 Logs (by score)
by Joe Gervais <vole@primenet.com>
- 15) [10368] FYBO '98 Logs (by temp)
by Joe Gervais <vole@primenet.com>
- 16) [10369] FYBO '98 Results Correction
by Joe Gervais <vole@primenet.com>
- 17) [10370] 2nd order intermod
by "laura halliday" <marsgal42@hotmail.com>
- 18) [10371] NEED test instrument web pages
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 19) [10372] WTB: Power Mite

- by john <johnmb@mindspring.com>
- 20) [10373] HW-8 Mods Book
by Dave Willey <dave@cds1.net>
- 21) [10374] Drake R4B
by jmbrown@edge.net (JERRY BROWN)
- 22) [10375] gel battery
by ac5ez@webtv.net (Larry B)
- 23) [10376] Books for sale
by Jack Parker <Pparker@greatbasin.net>
- 24) [10377] For Sale: ARC30, TAC-1/40m, antuna tenner &c (repost)
by nilsbull@juno.com (Nils R Young)
- 25) [10378] Re: HW-8 Mods Book
by "Vincent Ferme" <vferme@sprint.ca>
- 26) [10379] Re: Bench antenna simulator
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 27) [10380] want to unsubscribe
by RangerSF5 <RangerSF5@aol.com>
- 28) [10381] Keyer/paddle FS
by Jack Parker <Pparker@greatbasin.net>
- 29) [10382] RE: unbuilt 38 Special
by Arthur Moe <kb7ww@chatusa.com>
- 30) [10383] Byte Monster Eats FYBO Results
by Joe Gervais <vole@primenet.com>
- 31) [10384] QRP fun
by marion@montana.com
- 32) [10385] 20 mtrs wide open after sunset
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 33) [10386] New Contest
by Bill Todd <bill@willapabay.org>
- 34) [10387] Re: The truth about Tony Romas and Pacificon
by Paul Harden <pharden@aoc.nrao.edu>
- 35) [10388] ANOTHER SOLAR STORM ALERT MAY 6
by Paul Harden <pharden@aoc.nrao.edu>
- 36) [10389] New NorCal Project Prototype Progress
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 37) [10390] Correction to May 5 Solar Report
by Paul Harden <pharden@aoc.nrao.edu>
- 38) [10391] 38S question
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 39) [10392] SG-2020 = SINGLE SIDEBAND RADIOTELEPHONE
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
- 40) [10393] Re: Dinner wed.at Dayton
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 41) [10394] Re: A little help from those across the pond please.
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 42) [10395] FS: 38 Spcl kit, etc.
by Tom Bowman <tbowman@nbn.net>
- 43) [10396] Subject: [10332] Emtech NW20

by Bensondj <Bensondj@aol.com>
44) [10397] Re: Making PCBs with an ink-jet printer
by Leon Heller <leon@lfheller.demon.co.uk>
45) [10398] Band Conditions
by Jess Gypin <jessqrp@concentric.net>
46) [10399] TOROIDS (fwd)
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
47) [10400] Re: "QRP Classics" - Loaner copy available!
by "Ed Hare, W1RFI" <ehare@arrl.org>
48) [10401] FS: RS DSP
by Tom Bowman <tbowman@nbn.net>
49) [10402] Elmer 101: Mixer's
by John Bohnert <johnb@elmhurst.edu>
50) [10403] Thanks Chuck
by Tom Moll <tomm@xata.com>
51) [10404] List Related (computer) help
by Jay & Jackie <jayboy@psnw.com>
52) [10405] Re: "QRP Classics" - Loaner copy available!
by John Evans - N0HJ <jaevans@codenet.net>
53) [10406] Dayton and K5F0
by adams@chuck.dallas.sgi.com (Chuck Adams)
54) [10407] Re: 2nd order intermod
by Chris Trask <ctrask@primenet.com>
55) [10408] Unsoldering
by "Stephen W. Gibson" <wb4nbi@erols.com>
56) [10409] Pizza Pizza
by John McKee <JMckee@RFMD.com>
57) [10410] Re: Unsoldering
by Arjen Raateland <Arjen.Raateland@vyh.fi>
58) [10411] Re: List Related (computer) help
by kv7g@juno.com
59) [10412] Re: Unsoldering
by Chris Cartwright <ccart@dns.vidtel.com>
60) [10413] Re: Unsoldering
by Bill Jones <kd7s@psnw.com>
61) [10414] Re: Unsoldering
by Roger Hightower <n7kt@earthlink.net>
62) [10415] Re: A little help from those across the pond please.
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
63) [10416] Re: Unsoldering
by Michael Maiorana <mikemo@ibm.net>
64) [10417] Re: Unsoldering -Reply
by Bob Reynolds <breynold@sigg.com>
65) [10418] Denver CO.... 'lil help?
by Harry Bump <bump@redrose.net>
66) [10419] Re: Unsoldering
by Conway Yee <cyee@bidmc.harvard.edu>
67) [10420] RE: 38 Spcl

- by Tom Bowman <tbowman@nbn.net>
- 68) [10421] Re: New NWQRP Contest
by Bill Todd <bill@willapabay.org>
- 69) [10422] BNC for RG-174 coax
by David Shalita <af389@lafn.org>
- 70) [10423] Re: List Related (computer) help
by Michael Maiorana <mikemo@ibm.net>
- 71) [10424] Re: New NWQRP Contest
by Monte Stark <ku7y@dri.edu>
- 72) [10425] NW20, MUF, RR mobile
by tom whalen <whalen@swcp.com>
- 73) [10426] Wanted: QRP Rig(s), etc. - Trade Anyone?
by DENNIS MO <DENNISMO@aol.com>
- 74) [10427] Re: New NWQRP Contest
by Bill Todd <bill@willapabay.org>
- 75) [10428] FS/SWAP LDG auto-tuner (QRP version)
by W7LS <w7ls@blarg.net>
- 76) [10429] Announcing "The ARS Sojourner"
by Richard Fisher <nu6sn@yahoo.com>
- 77) [10430] The DC-to-Dayton Caravan - UPDATE!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 78) [10431] Lan Transmitters --Ham applications?
by Ed Loranger <we6w@qsl.net>
- 79) [10432] Re: Unsoldering
by "George T. Baker" <w5yr@swbell.net>
- 80) [10433] Unsoldering!!!!
by "Stephen W. Gibson" <wb4nbi@erols.com>
- 81) [10434] Sierra final & 10m Foxii
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 82) [10435] Re: New NWQRP Contest
by Joe Gervais <vole@primenet.com>
- 83) [10436] PC-VFO shipping
by Tracy@bytemark.com (Tracy)

Date: Wed, 06 May 1998 13:40:11 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [10354] The truth about Tony Romas and Pacificon
Message-ID: <3550CAAB.18EEA296@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Harden wrote:

> OK ... that probably came out a little misleading. *ALL* the QRPers were

> virtually thrown out last year, just because we ate, drank, were merry,
> and yacked about QRPing until closing time.

Okay, I guess the truth needs to come out here. I think it all started with something like, "The Q-Dope thread was nothing compared to the Olga thing." Then somebody else said, "You can't work DX with a 38 Special and a dipole." A while later later the management wanted to know if we planned to stay long enough to see a breakfast menu. One of the more sensitive members of the group was perceptive enough to read between the lines and suggested we go back to the hotel. So we learned know what it means when they put the chairs upside down on the tables and turn out the lights.

(Hey guys, remember Olga?)

=====

Bill Jones - KD7S <><

Sanger, California

<http://www.psnw.com/~kd7s>

=====

Date: Wed, 6 May 1998 17:00:46 -0400 (EDT)
From: "Jerry W. O'Dell" <psyodell@mail.provide.net>
To: qrp-l@Lehigh.EDU
Subject: [10355] thanks on startek
Message-ID: <199805062100.RAA10127@mail.provide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to everyone who helped me with the Startek counter. Must have gotten 30 replies, most in agreement.

73 Jerry W8GND

Date: Wed, 6 May 1998 17:03:53 -0400 (EDT)
From: "Jerry W. O'Dell" <psyodell@mail.provide.net>
To: qrp-l@Lehigh.EDU
Subject: [10356] 2n1274
Message-ID: <199805062103.RAA10850@mail.provide.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Boy, since everyone was so helpful on my last request, I wonder if anyone knows the characteristics of the 2n1274 and 2n1302. I simply don't want to pay the ECG price, and I suspect that they're fairly common PNP transistors. Readily available replacements would be appreciated

There is no flame intended, mr. Moderator!

73 jerry w8gnd

Date: Wed, 06 May 1998 13:08:51 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-1@Lehigh.EDU
Subject: [10357] LDG automatic tuner 4 sale (QRP)
Message-ID: <3550C353.662A@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a new looking and perfectly working LDG automatic antenna tuner for sale. It is factory built and tested, in the factory enclosure. Not a scratch on it, anywhere. I have the book, too. \$125 and a few for Priority (HA!) Mail. 73 de Jim, W7LS

Date: Wed, 6 May 1998 14:13:10 -0700
From: Kent Torell <torell@sicom.com>
To: qrp-1@Lehigh.EDU
Subject: [10358] 2222: a late design
Message-ID: <v04003a04b17680f1d3da@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

sigh Dayton is here, and my 2222 rig is still unfinished :-(You know the reasons, of course... kind of like 'the dog ate my homework'... please boss, just one more week, etc. Oh well, no chance of winning, given all the cool stuff that I'm sure will be there.

It's ideal for the summer foxhunt, as it is (will be) a 10 meter cw rig on

the novice band. Nice crystal vcxo, like the 38 special, with about 40 Khz of range... 28.090 to 28.130. The receiver section is running (limping), and I'm working on the tx chain. Planning on incorporating an antenna tuner with scqrpion swr/power led indicator. It's built into a Cadbury Chocolate Biscuit tin (too bad the guys from England can't see it) that holds the battery and end-fed antenna as well. I guess I'll have to show it off at Ft. Tuthill! [shameless advert... :-)] As a bonus, if you can't make it to Pacificon, Paul Harden is speaking at Tuthill also... maybe he'll be working the kinks out of his presentation! :-)

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion, qrp-1 57, ARCI 9075 DM33xn 33.55 N 112.078 W

Date: Wed, 6 May 98 11:32:16 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [10359] Stake Stick Vertical
Message-ID: <9805062132.AA05828@krypton.nmr.Hawaii.Edu>

The last trip to the field included testing of a new portable vertical antenna design. It is not to compete with the SLV in its various versions, but more to compliment it. It focuses on compact size, ease of setting up, and high performance on 20-10 meters. It offers full size, 1/4 wave radiators on 17, 15 and 10 meters which are tunable, and a 20 meter version using a 17 meter Hustler resonator that is nicely broad banded.

Details are on the web page at:

www.chem.hawaii.edu/uham/stake.html

I am working on a good case for the two Hustler masts, the whip holding adaptor which used to be a 10 meter resonator, the two whips and the 17 meter resonator in a format like a somewhat fat walking stick or small diameter fishing pole case about 55 inches long. The other parts fit easily in the backpack. It can be tuned with a tape measure since it is so broad banded and does not require any antenna tuner, which cuts down on the stuff you need to drag along in the backpack.

I was shocked at the bandwidth of this version compared to the simple idea of just mounting a standard Hustler mast plus a Super resonator on the base fitting with radials. Getting rid of all loading coils makes a fabulous difference.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Wed, 6 May 1998 16:41:58 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [10360] Parts- Mark II
Message-ID: <19980506.164159.3462.51.N5INZ@juno.com>

Howdy-

Well, the capacitor sell-off was a pretty good deal. I thought it was pretty well gone until I looked in the storage shed. Another 50 or 60 lbs.

Here's the deal:

10lbs for \$20.(2 each)
20lbs for \$30 (1 each)

Shipping included for the lower 48. WARNING! The last packages contained about 40 to 60 different values. These may run 20-25(maybe more, but assuming worse case).(note: you folks that already bought have the same values and types),

Trades favorably considered.

72, John- N5INZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 06 May 1998 18:05:27 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@Lehigh.EDU
Subject: [10361] Dayton Rooms at Days Inn South
Message-ID: <3.0.1.32.19980506180527.0073847c@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have one room available on the list for the Dayton Hamvention at
the
QRP-ARCI, FDIM, QRP Banquet, QRP Hospitality Suite
Headquarters Motel.

\$72 plus tax, etc. Any one needing a room where the QRP action is
let me know.

73 Hank K8DD

Date: Wed, 06 May 1998 17:44:30
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [10362] Re: Bench antenna simulator
Message-ID: <3.0.3.16.19980506174430.21776ab2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, everyone agrees on this one, just put an antenna tuner between the
rig and a dummy load and mess around with it that way. Duhh, that makes
sense :-)

No chance of trying that until after Dayton, but first chance I get, will
be interesting to see what happens.

Thanks

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 6 May 1998 16:05:06 -0700

From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <applitech@mcg.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [10363] Re: Elmer 101: Mixer discussion questionS...
Message-ID: <19980506230213.AAA12799@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/qrp.html>

> From: Claton Cadmus <applitech@mcg.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: Elmer 101: Mixer discussion questionS...
> Date: Wednesday, May 06, 1998 12:23 PM
>
> Not that this is going to be a very informative response, but I will
provide
> some information that might help Pierre and his questions.
>
> First and foremost, you must know what your mixer application is going to
be.
> It is impossible to answer which is best without this information. As in
all
> electronic circuits there are compromises to make. Take your front-end
> question:
>
> >If I want to build a heterodyne receiver and I want the best front end
> >mixer which mixer should I choose?
>
> This depends on the frequency in question. If this is for HF a low noise
> figure is not required as the HF noise floor is quite high. If this is
UHF
> Moon-Bounce the lower the noise figure the better!
>
> All mixers and amplifiers add to the noise. How much you can tolerate
without
> a significant effect on front-end performance is really the question.
>
> Singly balanced and doubly balanced or double-doubly balanced again is a
> function of the application. All mixers supply all the mixing components
at
> there output. Some mixers such as doubly balanced ones suppress some of
them
> by many db's do to cancellation, but they are still there.
>

> And one thing I know about mixers for sure, they will mix all the signals
that
> get into them. It is far more important to control the inputs to the
mixer
> and properly terminate the output then anything else.
>
> Well that's all I have time for, I will leave the rest of your questions
to
> more qualified.
>
> ----
> 73 de KA0GKC Claton Cadmus
> cla@mcg.net
> MNQRP #1
> Minnesota QRP'ers we're looking for you!
> Email me or visit this page <http://www.qsl.net/mnqrp>
>
>
>
>

Date: Wed, 06 May 1998 18:13:56 -0500
From: Frank Kienast <fgk@iquest.net>
To: adams@chuck.dallas.sgi.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10364] Re: SUMMER FOXHUNT V1.0
Message-ID: <3550EEB4.1601@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Very good! I just got a used multi-band QRP rig within the last week
(Yaesu FT-301SD), and it includes 10 meters. Got myself a homemade
folded dipole up, and checked into the local 10 meter SSB net. Looks
like I'm all set! I hope to work several of you Friday evening
beginning at 0001Z, and at various other times throughout the summer.

Frank Kienast
KB9QEI

Chuck Adams wrote:

>
> Gang,
>

> FIRST ANNUAL SUMMERTIME FOXHUNT
>
> Purpose of said foxhunt to get the movement to 10 meters started with
> the rise in Solar Flux and get the rigs out of the closet that have
> been there over 6 years now. :-) Everybody on QRP-L is a fox for this
> one. Some will not participate.
>
> OK, summer FOXHUNT starts 0001UTC May 9th, 1998 and runs until 2359UTC
> September 6th, 1998. Said FOXHUNT to run 24hrs per day and points
> limited to QSOs and contacts with other QRP-L members on Ten Meters,
> 28.000MHz to 29.700MHz. This gives the N/T+ group an opportunity to
> get into the fray also.

Date: Wed, 6 May 1998 17:08:21 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [10365] FYBO '98 Results!
Message-ID: <199805070008.RAA14738@usr09.primenet.com>

Howdy Folks,

Long overdue, but here it is (finally) - The results for FYBO '98! Many thanks to everyone who participated. You guys were great! Condx were tough but it seems like lots of fun was had by all, which was the entire goal when we ScQRPions got this thing rolling - wahoo!

First I'll post some FYBO '98 trivia, followed by separate posts of scores sorted by score and by temperature. The awards and raffle winners will be announced tomorrow, and a full writeup (including plenty of Soapbox comments) will appear in the next issue of NorCal's QRPP journal (thanks Doug!).

Please remember that the goal of FYBO is to have fun with friends and come away with some great stories and/or lies to share around the campfire. ;-) To that end, even if you didn't have a huge score or a logsheet full of QSOs, if you got on the air and had a good time then your FYBO mission was accomplished. Bonus points if you've already told your kids/grandkids/nieces/nephews tales of wild rabid ice weasels. :)

Many thanks to everyone again for all of your support and

help, from us AZ ScQRPions and the NM gang.

And so, without further ado, grab a Twinkie, Scooter Pie, or other snack of choice and enjoy the stats. Congrats to the MN QRPers at WQORP (wait 'til you see...) and everyone else!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave Rose, Fellow Snow Camper

Date: Wed, 6 May 1998 17:09:29 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@lehigh.edu
Subject: [10366] FYBO '98 Trivia
Message-ID: <199805070009.RAA14783@usr09.primenet.com>

FYBO '98 Trivia

-- 79 Logs submitted.

-- At least 79 FYBO Ops had FUN!!!

-- 7 Ops operated under sub-freezing condx.

-- 17 Ops were sub-40F.

-- Coldest Op: The MN QRP Gang (WQORP - MultiOp) at 18F. Now that's some serious B____-freezin'! Every WQORP op will receive their own bottle of true Southwest hot sauce to help warm you up next winter. :-)

Maybe we can keep N0TU from catching the flu again next year and get him back in his snowcave for some serious competition during FYBO '99. ;-)

-- 6 of Top 10 Coldest Ops were in AZ!!! C'mon guys, ya got beat out by a bunch of sun-baked AZ-NM QRPers. :-) The sick thing is that after living through 115F summers, we *enjoy* freezing our b____s off. :)

-- Many congrats to our ex-N/T+ Fox N0GLM for not only being the coldest N/T+ FYBO op, but the third coldest station overall - nice job Preston! And congrats on the upgrade to Advanced! We'll figure out a special award for you! At the very least, you get your own bottle of true South-west hot sauce. :)

-- 3 of Top 5 scores were QRPP.

-- 18 of Top 20 scores were FYBO Field Ops.

-- Highest Score:

MultiOp - 218,448 for the MN QRP Gang (WQ0RP). WOW! Total FYBO sweep and a new FYBO record! Nearly 3 times the next highest score! Man, Coldest Temp, Most QSOs, Highest Score, WQ0RP did better than Titanic at the Academy Awards. :)

SingleOp - 40,128 for Bruce (WB0CGH). Nice one Brad - nearly double the next closest single op score!

-- Most Q's

MultiOp: 123 Q's, The MN QRP Gang (WQ0RP)
SingleOp, Field: 41 Q's (AB7TT)
SingleOp, Home: 66 Q's (Tie between K07X and NQ7RP)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

Date: Wed, 6 May 1998 17:12:53 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [10367] FYBO '98 Logs (by score)
Message-ID: <199805070012.RAA15055@usr09.primenet.com>

(Please report missing logs immediately to vole@primenet.com)

NOTE: A (*) next to a callsign indicates multi-op.

FYB0 '98 RESULTS (sorted by score)

Callsign	Loc	Q's	SPC	Temp	Power	Score
WQ0RP (*)	F	123	37	18F	5W	218,448
NF3I (*)	F	69	34	37F	5W	75,072
N7CEE (*)	F	45	19	48F	900mW	41,040
WB0CGH	F	38	22	49F	900mW	40,128
NF0R	F	31	24	50F	950mW	23,808
AB5UA	F	35	19	37F	2W	21,280
AF5Z (*)	F	53	24	44F	4W	20,952
N4JS	F	36	18	37F	5W	20,736
W4ED	F	37	17	38F	5W	20,128
K50I/7	F	32	18	33F	5W	18,432
AB7TT	F	41	11	20F	5W	18,040
WD8RIF	F	29	19	46F	5W	13,224
N2TNN	F	28	13	40F	2W	8,736
N5ZGT	F	22	12	34F	4W	8,448
AA0SM	H	18	14	62F	950mW	2,016
KI0KY	F	12	7	44F	5W	2,016
NQ7RP	H	66	30	70F	5W	1,980
KL7JAF	H	41	22	70F	5W	1,804
AB70A	F	14	7	58F	5W	1,568
N6WG	H	38	10	55F	5W	1,520
AB7TK	H	58	25	72F	5W	1,450
WE6W	H	58	12	55F	5W	1,392
KN6YD	F	14	6	44F	2W	1,344
KB9IUA	H	20	13	33F	5W	1,040
AA1IK	H	44	23	70F	5W	1,012
VE3ELA	H	17	14	70F	950mW	952
N5JI	H	45	21	70F	5W	945
WA20CG/7	H	17	13	64F	5W	884
KU7Y	H	30	14	65F	200mW	840
N2CQ	H	38	21	72F	5W	798
WV3B	F	10	6	40F	5W	720
WB5QYT	F	14	5	60F	5W	560
W8MHV	F	7	3	46F	5W	504
KA8OKH	H	24	19	70F	4W	456
NA3V	H	17	11	63F	4W	374
N0TU/flU	H	11	8	63F	5w	352
K0SU	H	16	11	72F	5W	352
K7GT	H	19	7	72F	2W	266
KW50K	H	20	13	70F	5W	260
N8ET	F	4	4	60F	950mW	256
W6KI	H	16	4	60F	2W	256
AA9KH	H	15	12	70F	5W	180
K6PZB	H	12	3	56F	2W	144

W3CD	H	14	10	72F	5W	140
K8ZAA	H	13	10	72F	5W	130
KJ5CI	F	4	4	62F	1W	128
KB0SBA	H	13	9	72F	5W	117
VE7CQK	H	8	7	60F	5W	112
KB6FPW	H	18	5	72F	4W	90
KC4MHM	H	9	9	72F	5W	82
W6RCL	H	8	5	54F	5W	80
N7RI	H	10	8	72F	5W	80
K8CV	H	9	7	72F	5W	63
N1MVU	H	6	5	59F	5W	60
KJ3V	H	8	7	72F	5W	56
W6PRI	H	14	4	68F	5W	56
KI6DS	H	13	3	72F	5W	52
WD6FDD	H	9	2	55F	5W	36
K3AS	H	6	5	70F	5W	30
AA4RP	H	6	5	65F	5W	30
W7HQO	H	5	4	72F	5W	20
WB6FZH/KH6	H	4	2	70F	5W	8

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave Rose, Fellow Snow Camper

Date: Wed, 6 May 1998 17:14:49 -0700 (MST)
 From: Joe Gervais <vole@primenet.com>
 To: qrp-l@Lehigh.EDU
 Subject: [10368] FYB0 '98 Logs (by temp)
 Message-ID: <199805070014.RAA15125@usr09.primenet.com>

W6RCL	H	8	5	54F	5W	80
N6WG	H	38	10	55F	5W	1,520
WE6W	H	58	12	55F	5W	1,392
KU7Y	H	30	14	65F	200mW	840
AA4RP	H	6	5	65F	5W	30
W6PRI	H	14	4	68F	5W	56
NQ7RP	H	66	30	70F	5W	1,980
KB6FPW	H	18	5	72F	4W	90
KC4MHM	H	9	9	72F	5W	82
N7RI	H	10	8	72F	5W	80
K8CV	H	9	7	72F	5W	63

KJ3V	H	8	7	72F	5W	56
KI6DS	H	13	3	72F	5W	52
W7HQ0	H	5	4	72F	5W	20

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
 - Dave Rose, Fellow Snow Camper

Date: Wed, 6 May 1998 17:20:58 -0700 (MST)
 From: Joe Gervais <vole@primenet.com>
 To: qrp-1@Lehigh.EDU
 Subject: [10369] FYBO '98 Results Correction
 Message-ID: <199805070020.RAA15456@usr09.primenet.com>

Howdy Folks,

Always happens - right as you hit the 'send' command,
 you see an error flash past your eyes. :-)

-- Most Q's

SingleOp, Home: 81 Q's (Sir Dan, N4ROA, out in VA)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
 - Dave Rose, Fellow Snow Camper

Date: Wed, 06 May 1998 17:22:26 PDT
 From: "laura halliday" <marsgal42@hotmail.com>
 To: qrp-1@Lehigh.EDU
 Subject: [10370] 2nd order intermod
 Message-ID: <19980507002226.13735.qmail@hotmail.com>
 Content-Type: text/plain

Now that my move is more-or-less consumated, I can catch

up on my email...

I'm getting an object lesson in intermodulation - it's
not just numbers in a textbook. One of my current projects
is seeing if I can worry some data out of the local
differential GPS beacons (three are within range), and
have already found that I will need a mixer with very
good IP2 numbers. The problem: two local AM broadcast
stations, one on 900 kHz, the other on 1200 kHz. The
result: a 2nd order intermod product on 300 kHz, obliterating
the Whidbey Island beacon on 302 kHz.

Curiously, the receiver I'm using to see what I can hear
(Sangean ATS-808/Realistic DX-380) shows good 3rd order
intermod performance - nothing untoward on 600 or 1500 kHz.
Just lousy 2nd order.

Methinks the 74HC4066 is worth trying as a mixer...

Laura Halliday VE7LDH/7 "Laisse le vent tout emporter..."
Grid: CN88hk - Foly/Viennet

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 06 May 1998 17:54:20 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [10371] NEED test instrument web pages
Message-ID: <3551063B.E152DE8@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Everyone to their bookmarks...

I am building a homebrew test instrument web page. I would like to receive
a list of web pages currently on the net that describes test instruments that
could be built and used by qrpers.

If someone has some information in such instruments but do not have a web page,

I can host it as a part of this new web page.

I will post the location of this page as soon as I have a longer list.

Thanks

--

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-----o000--( )--000o-----
Pierre Constantineau  B.Eng      Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate    Phone: (604) 822-2913
Flash Smelting Group            Fax:   (604) 822-4750
Centre For Metallurgical        111-2355 East Mall
Process Engineering             Vancouver, BC, Canada
U. of British Columbia .oooO    V6T 1Z4
http://noname.cmpe.ubc.ca ( )    Oooo.  Amateur Radio: VE7JPC
-----\ (----( )-----
      \_ ) /
      (_/

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Date: Wed, 06 May 1998 20:57:14 -0400
From: john <johnmb@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [10372] WTB: Power Mite
Message-ID: <199805070058.UAA19291@camel7.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'd like to get one of these little rigs...anyone have one, or/and
know what the going rate is for 'em?

Thanks for reading...

/John

wb5oau/4

Date: Wed, 06 May 1998 18:07:50 -0700
From: Dave Willey <dave@cds1.net>
To: qrp-1@Lehigh.EDU
Subject: [10373] HW-8 Mods Book
Message-ID: <35510966.7770@cds1.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've seen over the last several months, messages refering to an "HW-8 Mods" book. Does anyone know the title, author, supplier, and the cost so I may get a copy?

Now that I've upgraded resently, I've pulled out the 1/2 built Heathkit HW-8 thats been gathering dust on he shelf for the last several years, and am just about finished with it. (and yes there is a story behind on how I got it.) I'd like to find out what mods are worth doing.

Thanks for any help you can give.

--

To send a reply please remove "NOJUNKMAIL" from the return address, and replace "AT" with "@"

Dave Willey
e-mail: dave AT cds1.net
amateur e-mail: kd6kwm AT cds1.net
amateur packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--

QRP-L #1567

Date: Wed, 06 May 1998 20:25:41 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-l@lehigh.edu
Subject: [10374] Drake R4B
Message-ID: <35510D95.A64@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My Drake R4B was on loan for Elmering. Unfortunately, the toronados that passed through Tennessee a couple of weeks agodestroyed my friend's home and the radio disappeared, along with most of the family's belongings.

Not QRP, but what is the fair market value to claim for the radio for insurance?

N4EO, with one less radio!

Date: Wed, 6 May 1998 20:53:05 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [10375] gel battery
Message-ID: <199805070153.SAA20901@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

I have been given two batteries. Markings on the batteries indicate :
MK Deep cycle SLA Battery
Cycle use 14.6-15v
Standby use 13.6-13.8v
There are about the size of a tractor battery,
Any info appreciated
Larry Ac5ez

Date: Thu, 07 May 1998 18:55:01 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [10376] Books for sale
Message-ID: <3.0.1.32.19980507185501.00692a3c@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All items have been spoken for...thanks to everyone!

Jack, W7PW

Date: Wed, 6 May 1998 19:23:30 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU

Subject: [10377] For Sale: ARC30, TAC-1/40m, antena tenner &c (repost)
Message-ID: <19980506.201422.10366.3.nilsbull@juno.com>

Gang,

THE TRAVELING RADIO BOX &c IS FOR SALE!!!!.

This box includes:

- TAC-1/40m cw transceiver, knob-controlled digital tuning (100 Hz rate selectable)

- w/ built-in uP keyer, 5w out, 7.000-7.200 MHz

- ARK30 cw transceiver, military-style push-button digital tuning,

- (100 kHz, 10 kHz, 1 kHz 100 Hz), w/ AF filter

- w/ built-in TiCK1 keyer, 5w out, 10.000-10.199 MHz

- Rainbow Bridge ATU for 1/2 wave long-wire antennas & 1/4wave counterpoise

- A complete traveling box made of pine & plywood, with storage for antenna wire bundles, headphones, paddles, log

books,

- pen & paper, extra power cables &c. The box is painted grey and has brass hardware (corners, handle, hinged lid &c)

- size: 14.5x7x15" (HWD)

Included in the box are:

- > a 12v 5A power supply, with detachable AC cord

- with switch to select between outside DC source (AC off)

- or the internal AC power supply (120VAC to 12V DC)

- > a switch to allow straight through connection to tuned antennas or another tuner

- > a switch to shift the input to the ATU between the two

transceivers

- > headphones, a home-brew paddle set (not the NorCal paddles)

- > antenna wire on masonite spindles

Modifications: Both radios are stock from the store except for two items (not counting the TiCK keyer in the ARK30).

- > The AF amp of each radio has the feedback mod to tune the LM386 AF amp chip to around 750 Hz.

And the following mods:

- > the ARK30 has a front panel jack for a monaural headphone & two push-button switches (one for the TiCK keyer & one for keying [tune up]).

- > the TAC1-40 has a completely modified back panel with a BNC antenna connector, a push-button key (to tune) switch & a jack for external speaker.

- > The original back panel for the ARK30 is included, naturally.

This is a completely portable hotel room or beach house CW station for the two most useful beach house/hotel room bands.

I'd like to make this a one-piece sale (as in: I'd rather not sell it off pieces & bits).

Starting the haggling at \$375. That's the price for everything listed above including shipping this set-up to anywhere in the lower 48 states. Please respond directly to me at this email address (nilsbull@juno.com). If you're really eager, call me and leave a message on the machine at (937) 849-0113.

73

Nils

P.S.: There's a small, rather unlikely picture of this box & stuff at my ham station home page:

<http://www.geocities.com/Athens/Olympus/9172/wb8ijn.html>

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 6 May 1987 22:03:35 -0400

From: "Vincent Ferme" <vferme@sprint.ca>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [10378] Re: HW-8 Mods Book

Message-ID: <006201b12400\$a94538c0\$4d1205d1@vince>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Dave,

Mike Bryce, WB8VGE is the author, you can get a copy from Bill Kelsey's Kanga US. The URL is <http://www.bright.net/~kanga/kanga/> under misc items.

No connection with Kanga US except as a very satisfied customer. Always happy

to promote QRP parts and kit suppliers.

73 de Vince, VE3VFN.

>I've seen over the last several months, messages refering to an "HW-8
>Mods" book. Does anyone know the title, author, supplier, and the cost
>so I may get a copy?

Date: Wed, 6 May 1998 22:13:15 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10379] Re: Bench antenna simulator
Message-ID: <Pine.GS0.3.96.980506221047.21748G-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Steven Weber wrote:

> Well, everyone agrees on this one, just put an antenna tuner between the
> rig and a dummy load and mess around with it that way. Duhh, that makes
> sense :-)

You might place the dummy load on the tuner and then make some
measurements of the impedance at the tuner input with various settings
and at various frequencies of interest. Otherwise, you may not know what
you are presenting the rig with, and you will want to start at or close to
50 ohms resistive and then vary the impedance the rig sees in controllable
steps.

-73-

LB, W4RNL

Date: Wed, 6 May 1998 22:32:12 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10380] want to unsubscribe
Message-ID: <8d17b612.35511d2d@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Lost the info on how to unsubscribe
Any help out there?
Bob
WA2HQQ

Date: Thu, 07 May 1998 20:18:04 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [10381] Keyer/paddle FS
Message-ID: <3.0.1.32.19980507201804.0068c6e4@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have an MFJ-482 "Grandmaster" memory keyer and an MFJ-564 Iambic paddle for sale. \$55 for the pair, shipping included. Keyer comes with the wall-wart. I've used this pair in all the VHF contests I've run in the last 2 years...work great!

Jack, W7PW

Date: Thu, 07 May 1998 03:16:22 -0700
From: Arthur Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@Lehigh.EDU>
Subject: [10382] RE: unbuilt 38 Special
Message-ID: <355189F6.F7088A2C@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To all of you who responded to my for sale of the unbuilt 38 Special, I would like to say thank you. Its going to stay here in the great North West. Won't say who but, he will let you know when he finishes it.

Again thank you
art

KB7WW

Date: Wed, 6 May 1998 20:56:32 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [10383] Byte Monster Eats FYBO Results
Message-ID: <199805070356.UAA00289@usr06.primenet.com>

Howdy Folks,

Well geez! The friggin' Byte Monster strikes again! As you may have noticed, the FYBO tables (by score and by temp) were thoroughly chewed up in transit. Not sure what happened there, but I'll resend them (carefully removing any suspicious character sequences like "-----") as soon as I can.

Needless to say, don't panic if your log isn't there. I'm not even sure *mine* made it there. :-) Weird. Sending straight ASCII text, nothing fancy. What the heck could possibly go wrong? Off with you, Murphy! Shoo! Scat! Git!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Nobody has so many friends that he can afford to lose one. -- Edward Abbey

Date: Wed, 6 May 1998 23:02:18 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [10384] QRP fun
Message-ID: <199805070502.XAA00301@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP still amazes me. Band is howling with QRN on 40, but just QSOed with KH6AFS in HI. QRP to QRP. But maybe I am easy to amaze. Still fun though.
Roy AB7CE

Date: Thu, 7 May 1998 00:32:49 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [10385] 20 mtrs wide open after sunset
Message-ID: <01bd7968\$cf466a20\$07199e03@luis>
MIME-Version: 1.0
Content-Type: multipart/alternative;
 boundary="-----_NextPart_000_0066_01BD794F.A9F93220"

This is a multi-part message in MIME format.

-----=_NextPart_000_0066_01BD794F.A9F93220
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

YES... band is making a comeback !!!
Many nice signals on 14. to 14.060 or so CW tonite...
BUT, just listening, while soldering the last few components on new QRP =
rig for 20 !
It is crystal controlled, frequency marked on crystal is 14.032... has =
no VX0, just
barebones rig to show to visitors at C02KK...
Keys nicely, oscillator on all the time, buffer keyed via PNP =
transistor, final running
class C... goes from about 200 mW to something like 3 or 4 watts CW =
only.
So see you soon on 20 QRP, but not around 14.060... I am stuck on 14.032 =
more
or less depending on what frequency the crystal decides to oscillate...
72 and keep homebrewing alive
Arnie

P.S> My 2N2222 clone transistors rig will be ready soon too !!!
Arnie Coro C02KK
Host of Dxers Unlimited
Radio Havana Cuba
e-mail : inforhc@mail.infocom.etecsa.cu
phone: 53-7-814243
phone res: 53-7-301794
Postal address
Arnie Coro
Dxers Unlimited

Radio Havana Cuba
Po Box 6240
Havana
CUBA 10600

-----=_NextPart_000_0066_01BD794F.A9F93220

Content-Type: text/html;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>YES... band is making a comeback=20
!!!</DIV>

<DIV>Many nice =
signals on 14. to=20

14.060 or so CW tonite...</DIV>

<DIV>BUT, just listening, while soldering the last few =
components=20

on new QRP rig for 20 !</DIV>

<DIV>It is crystal controlled, frequency marked on =
crystal is=20

14.032... has no VX0, just </DIV>

<DIV>barebones rig to show to visitors at=20

C02KK... </DIV>

<DIV>Keys nicely, oscillator on all the time, buffer =
keyed via PNP=20

transistor, final running </DIV>

<DIV>class C... goes from about 200 mW to something like =
3 or 4=20

watts CW only. </DIV>

<DIV>So see you soon on 20 QRP, but not around 14.060... =
I am stuck=20

on 14.032 more</DIV>

<DIV>or less depending on what frequency the crystal =
decides to=20

oscillate... </DIV>

<DIV>72 and keep homebrewing alive </DIV>

<DIV>Arnie </DIV>

<DIV> </DIV>

<DIV>P.S> My 2N2222 clone transistors rig will be =

!!!</DIV>

[illegible]

-----=_NextPart_000_0066_01BD794F.A9F93220--

Date: Wed, 06 May 1998 22:41:22 -0700
From: Bill Todd <bill@willapabay.org>
To: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Cc: qrp-1@Lehigh.EDU
Subject: [10386] New Contest
Message-ID: <1.5.4.32.19980507054122.0070d074@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:52 AM 5/7/98 +0000, you wrote:

```
>How 'bout "ONE PERSON MUST DO ALL THE WORK"? -to prevent the inevitable
>committe of hot-shots doing a "pit-stop" -like rip-off... -just a thought.
>72 -s-
```

Yes Seab, that sounds like a good idea. Let's add it to the list!

What I am trying to suggest in this contest, is to have ONE person, design and build an antenna by themselves, erect the antenna by themselves, and attempt to do all this work within one hour in advance of the contest start time.

Heck, if it takes an extra hour to put up the antenna, that wouldn't be "against the rules" - it would just cut in to a person's operating time.

CUL, Bill-N7MFB
<http://www.willapabay.com/~bill>
 ICQ me at #8926298

Date: Thu, 7 May 1998 00:04:45 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Bill Jones <kd7s@psnw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10387] Re: The truth about Tony Romas and Pacificon
Message-ID: <Pine.SOL.3.91.980506235853.16552A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Bill Jones wrote:

> Okay, I guess the truth needs to come out here. I think it all started with
> something like, "The Q-Dope thread was nothing compared to the Olga thing."
> Then somebody else said, "You can't work DX with a 38 Special and a dipole."
> A while later later the management wanted to know if we planned to stay long
> enough to see a breakfast menu. One of the more sensitive members of the
> group was perceptive enough to read between the lines and suggested we go back
> to the hotel. So we learned know what it means when they put the chairs
> upside down on the tables and turn out the lights.

Yeah ... that's pretty close to how I remember it too! The NorCal version
of a QRP banquet.

> (Hey guys, remember Olga?)

Oh no, not Olga. There was a waitress you said "yes 'mam" too. It took
counseling to try and forget her ... some hypnosis treatment thing. I
bet the ARCI Banquet won't have an "Olga."!

:-) Paul NA5N

P.S. - Sadly, this is all true.

Date: Thu, 7 May 1998 01:19:01 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <gqrp-l@blacksheep.org>
Subject: [10388] ANOTHER SOLAR STORM ALERT MAY 6
Message-ID: <Pine.SOL.3.91.980507004116.16552F-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The sun produced THREE major flares again today, two M-class and an

X-class, with 3 CME's. This means more VERY SERIOUS geomagnetic storming is very likely saturday and sunday. And these did NOT come from the two areas of the sun where major flare development is being watched. The geomagnetic storm, however, appears to be over.

BEST QRP CONDITIONS are probably right now through friday night with solar flux at 130 and high MUF's, AND before the next geomagnetic storm hits (late friday or early saturday).

If you're a 6M/UHF freak, conditions are also good right now and may continue to be through the weekend, as your window is above the geomagnetic storm to take advantage of a very high MUF.

And lastly, with things already charged up, this new solar activity could produce some spectacular auroras, even into the middle latitudes. (I have not looked up the auroral forecast yet).

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 126 ISSUED AT 2200Z ON 06 MAY 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z
> TO 06/2100Z: SOLAR ACTIVITY WAS HIGH. REGION 8210 (S15W75) PRODUCED
> AN X2/1N FLARE AT 0809Z WHICH HAD VERY STRONG ASSOCIATED RADIO
> BURSTS AND A TYPE IV RADIO SWEEP.

Gads, this is the 4th x-class flare in a week. Remember the Type IV sweep ... continuum noise over a huge chunk of the spectrum caused by VERY energetic activity from this disturbance.

> REGION 8210 ALSO PRODUCED AN M2/2N
> FLARE AT 05/2346Z WHICH HAD ASSOCIATED TYPE II AND TYPE IV SWEEPS.

A TYPE II sweep is similar to the Type III, except it sweeps downward in frequency about 2 MHz/sec. (the Type III is about 20 MHz/sec). Type II's sound like "swishes" or "splashes" of static.

> LASCO OBSERVERS REPORTED THREE CORONAL MASS EJECTIONS DURING THE
> TIME PERIOD: THE FIRST WAS A PARTIAL HALO AT 0002Z AND COULD BE
> REASONABLY ASSOCIATED WITH THE M2/2N.

A partial halo CME means it was a "finger" of mass ejection, and did not loop back into the sun. Still, capable of throwing gobs of particle radiations towards us to trigger a geomagnetic storm. (Trajectory is not yet known).

>THE SECOND WAS AT 0228Z FROM
> THE NORTH EAST AND APPEARS TO BE AN EVENT BEHIND THE LIMB.

A CME behind the limb (i.e., not on the surface visible from the earth) means the mass is flying away from the earth and this CME will not effect us.

> THE THIRD, SEEN AT 0829Z WAS A LARGE AND RELATIVELY FAST EVENT THAT APPEARS
> TO BE ASSOCIATED WITH THE X2 FLARE.

This also could effect the earth if the trajectory is right, and since the particle radiation from a large flare (like an x-class) fans out, we would be VERY lucky if it missed up. Brace yourselves for awful conditions saturday or so.

> REGION 8214 (N28W34) HAS NO> BEEN IMPRESSIVE IN TERMS OF FLARE PRODUCTION

This is the area discussed yesterday where the magnetic complexity was building and showing potential for a large flare. Oddly, today's X and M class flares didn't even come from this region. Oh oh ... we may be in big trouble if this region goes active too.

> BUT IT CONTINUES TO GROW IN COMPLEXITY AND CONTINUES TO DISPLAY VERY HOT
> PLAGE. SOME OPPOSITE POLARITY FLUX IS EMERGING JUST WEST OF THE LEADER
> SPOT, AND THIS PART OF THE GROUP APPEARS TO BE THE 'HOT SPOT'

Remember yesterday's discussion about how the magnetic field lines around sun spots can become bipolar ... often preceding a disturbance? Here the opposite polarity (N and S poles) have been observed. The "leader spot" is the one described yesterday as the one developing on top of the "magnetic shaft," or the source of the magnetic field lines.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
> MODERATE. THERE CONTINUES TO BE A FAIR CHANCE FOR MORE MAJOR FLARES,
> PRODUCING M-CLASS EVENTS AND SOME POSSIBILITY FOR MAJOR FLARES OR
> PROTON EVENTS.

Friends ... this is NOT looking good!!!

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:
> THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

The current geomagnetic storms appears to be over.
But now the bad news ...

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE
> MOSTLY UNSETTLED UNTIL THE POSSIBLE ARRIVAL OF EFFECTS FROM THE
> LEADING EDGE OF TODAY'S CME EVENTS ASSOCIATED WITH REGION 8210. THE
> LATER CME WAS SUFFICIENTLY FAST THAT IT WILL VERY LIKELY OVERTAKE THE
> EARLIER CME. ARRIVAL OF THE SHOCK IS EXPECTED VERY LATE ON THE 7TH
> OR EARLY ON THE 8TH, AND A PERIOD OF STRONG ACTIVITY IS LIKELY

If the later CME shock wave is traveling fast, and hits the earth (very likely), it will whomp us good.

> SHORTLY THEREAFTER. MID-LATITUDES ARE EXPECTED TO BE AT MINOR TO
> MAJOR STORM LEVELS AND HIGH LATITUDES COULD HAVE PERIODS OF
> SEVERE STORM LEVELS.

^^^^^^^^^^^^^^^^^^^^

This means an A-index over 100! That is black out time on HF.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 06 MAY 130
> PREDICTED 07 MAY-09 MAY 130/125/125
> 90 DAY MEAN 06 MAY 106

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 05 MAY 023/036
> ESTIMATED AFR/AP 06 MAY 007/010
> PREDICTED AFR/AP 07 MAY-09 MAY 010/020-045/050-020/025

Date: Thu, 7 May 1998 01:31:17 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [10389] New NorCal Project Prototype Progress
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

It is going to be close, but I think that we will make it. Four =
prototype boards for the New NorCal Kit arrived in SJ today. I drove =
over and picked up one of the boards and have spent all evening working =
on it. This is going to be one fun project. By the way, there are over =
220 board mounted parts in the next kit. The board is 4" x 4.5". =
Tonight's progress was slow, as the prototype boards are not =
silkscreened. It makes you appreciate the production run boards. I =
soldered in 32 of the 63 resistors.

The plan is to finish the board Friday night, and then go to SJ again on =
Saturday for final testing. Time is of the essence, and we will just =
make it. The cases should arrive tomorrow, and then all parts will be =
here. Don't forget, introduction of the NorCal kit will be at the QRP =
Hospitality room in Dayton on Friday night right after the banquet. =
Jerry Parker will be in Dayton and he will simultaneously post the =
information on the NorCal Web page for those of you not going to Dayton. =
I would start checking it at about 9:00 PM EDT on Friday night of =

Dayton.

72, Doug, KI6DS

Date: Thu, 7 May 1998 01:48:32 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <gqrp-l@blacksheep.org>
Subject: [10390] Correction to May 5 Solar Report
Message-ID: <Pine.SOL.3.91.980507011922.16552G@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

First, thanks to everyone who has emailed me about the solar reports.
I'm glad you are enjoying them.

It is my personal experience that most QRPers are well educated people
and have strong interests in other areas of science besides radio. And
my explanation yesterday proved that, as several sharp QRPers caught a
fairly major mistake.

I inadvertently referred to "heavy electrons" when I meant to say
"heavy particles." Electrons have a very constant mass, and heavy
electrons would be some spooky, shady part of science, beyond the scope
of this group! (We're talking Area 51 stuff).

Electrons travel through gravitational and magnetic fields fairly
easily. But particles, being heavier, are bound by the gravitational
and magnetic fields imposed on them. Like throwing a handful of flour
into the air, they will scatter about but eventually fall to the ground
as their mass is heavy enough to be pulled by gravity.

And this was an enigma to scientists for years. How do these heavy
particles escape the sun's gravitational and magnetic fields to eventually
strike the earth? Why aren't they simply pulled back towards the sun?
We now know particles escape the sun in two major ways: through a CME
(coronal mass ejection) and coronal holes. A CME, usually the result of
a flare, produces its own magnetic field surrounding the solar
disturbance, which punches a "hole" through the sun's magnetic field.
These particles rise with the expanding magnetic field of the DISTURBANCE
until beyond the influence of the SUN's magnetic field, usually several
solar radii. Then they are propelled outward by the solar wind. So a
point is reached where the OUTGOING solar wind exceeds the force of the
INGOING magnetic and gravitational fields.

Coronal holes are still kinda mysterious. We had one for several days last week. It is a major "crack" in the solar surface that emits copious amounts of mass. This seems to also create it's own magnetic fields that fingers their way through the sun's magnetic field. Coronal holes will often cause geomagnetic storming, even though no flare activity is occurring (like last week before the X-class flare on thursday occurred). This mass usually escapes the sun in narrow fingers called coronal streamers. Incidentally, if you've seen photos of total solar eclipses, you will often see fingers of light poking outward from the sun. These are coronal streamers, and in fact, were discovered as a result of the total eclipse in 1970 centered over Virginia Beach, VA.

So sorry about the typo, but it did spawn the opportunity to explain the difference between electrons and the heavier particles.

I am receiving numerous emails requesting permission to reprint this solar information in local ham club newsletters to using them as handouts for high school physics classes. I am flattered at this kind of unexpected response. Everything I post to QRP-L I do to share ... so YES, you are free to use these posts for these purposes. On the solar stuff, feel free to use it (hopefully for non-commercial use) without any further need to obtain my permission. But I *do* appreciate you asking. A short credit line would be appreciated.

72, Paul NA5N
Geomagnetic impaired

Date: Thu, 7 May 1998 02:28:06 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [10391] 38S question
Message-ID: <01bd799a\$712952e0\$9aa9d9cf@accurate-1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What has been determined to be the final final component values for the 5 watt mod output filter? I have one spec sheet showing 1300 pf for C26 and another showing 220 Pf and a couple of other data sheets showing all manner of values in between. Quite a variance. Gotta be one that's right! Anyone have empirical data?

Thanks!

Roger KD6CC

Date: Thu, 7 May 1998 11:18:19 +0200
From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
To: "'Internet Liste via PoP3'" <qrp-1@Lehigh.EDU>
Subject: [10392] SG-2020 = SINGLE SIDEBAND RADIOTELEPHONE
Message-ID: <000001bd799b\$49a84c20\$16d374a7@ZENKERPN.perkin-elmer.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a change. The newest updates of SGC Internet Site show their target it
is called a SINGLE SIDEBAND RADIOTELEPHONE

(found on :<http://www.sgcworld.com/2020case.htm>

copied and pasted

SG- 2020 Professional Carry Case Package and Accessories

SGC products have been supplied for world-wide applications for 26 years.

The SG-2020 replaces the well known model SG-715 portable unit which was in
production for 17 years. The SG-2020 PortaPak has been designed for
professional applications including:

petroleum industry and oil platforms

marine workboats

emergency preparedness and management agencies

border control

para-military

aviation

forest industry

geophysics

regional expeditions (jungle, desert & polar)

university special research projects

..

05-01 SG-2020 Synthesized Transceiver (20WATTS - 1.8-30 MHZ) \$625.00

Model SG-2020 Synthesized single sideband radiotelephone

Power Output: 20watts PEP

Voltage: 12VDC

Internal 5 watt speaker

Including: single 50 ohms output antenna connector

Dynamic fist microphone included
Pending FCC, DOC certification as applicable

NO COMMENT

The NEVADA company in UK still has its old but original SGC page. Here you can see, what they announced, when they started: an ADVANCED VERSION OF THE QRP+:

<http://www.nevada.co.uk/idx-sgc4.html>

NEW QRP plus HF Transceiver

SGC is presently working to develop an advanced version of the QRP PLUS transceiver, which will emerge as the SGC Model SG-2020. The new SG-2020 will be much smaller and lighter than the PLUS, and power will be adjustable from 0 to 20 watts. Several new features will be added to enhance the performance and capability of the unit, including a highly effective noise blanker! Enclosed are some of its preliminary features for your review. ...

also no comment

72 de Peter, DL2FI

Date: Wed, 6 May 1998 09:53:13 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: K4NK@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10393] Re: Dinner wed.at Dayton
Message-ID: <Sx+JyjA5TCU1EwM9@kanga.demon.co.uk>
MIME-Version: 1.0

In message <39f6310c.354fc3c2@aol.com>, K4NK <K4NK@aol.com> writes
> I will be arriving wed. afternoon in dayton, staying at the Best Western.
>Any others coming in wed . ,we can get togeather for dinner wed. night ? . Is
>there a 2 meter freq. that we can gather on around the hotels ?.
> See you there...Les K4NK
>

The Brits are intending to invade the 'Lone Star' steak house just along from Days Inn South. Not sure of the address but someone will know it.

We are Dick G0BPS, George G3RJV, Graham G3MFJ & (foreign Friend) Tony G4WIF.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Wed, 6 May 1998 09:47:16 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10394] Re: A little help from those across the pond please.
Message-ID: <AhVNGdAU0CU1Ewum@kanga.demon.co.uk>
MIME-Version: 1.0

In message <354F56B4.7412@vdbs.com>, Jeff Grudin
<grudin@pacific.vdbs.com> writes

>Resistors:
>3k3 = 3.3K?
>1k = 1.0K?
>100R= 100ohm?
>
>Caps:
>1n0 = .001 uf?
>
>Am I close?

Yup...

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Thu, 07 May 1998 06:38:21 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-1@Lehigh.EDU
Subject: [10395] FS: 38 Spcl kit, etc.
Message-ID: <3.0.5.32.19980507063821.0080b300@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Looking around the shack, I've decided to sell these:

1) Unassembled 38 Special from Norcal.
The plastic parts bag is unopened. I'm enclosing complete docs including a photocopy of the original assembly manual; plus "The 38 Special Consolidated Construction Manual" and 34 pages of mods - both from the NorCal Web pages.

\$28 includes U.S. shipping cost.

2) Unassembled 20 meter CW rig designed by NN1G.
This appears to be a Dan's Small Parts kit complete with instructions. This is the two-board kit complete with what looks like a Jackson Bros. vernier drive and a Hammarlund HF-15 tuning capacitor. This kit was written up in The QRP Quarterly, January 1993. I bought this from a QRP-L member but never got around to building it.

\$43 includes U.S. shipping cost.

3) Radio Shack DSP 21-543. I bought this Digital signal Processing unit when Radio Shack was closing them out two years ago. I've used it with my TS-430 and it attenuates heterodynes. The unit includes a built-in amplifier and speaker and operates from a 12 VDC supply.

\$40 includes U.S. shipping cost.

\$100 takes all three and I pay shipping.

Tom Bowman <>> WA3REY, Mount Gretna, PA 17064

<http://www.mt-gretna.com>

tbowman@mt-gretna.com

Date: Thu, 7 May 1998 06:43:01 EDT
From: Bensondj <Bensondj@aol.com>
To: whalen@swcp.com, qrp-1@Lehigh.EDU
Cc: ROYGREGSON@aol.com
Subject: [10396] Subject: [10332] Emtech NW20
Message-ID: <8d171ee9.35519036@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

>>From: tom whalen <whalen@swcp.com>
>>To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
>>Cc: roygregson@aol.com, pharden@aoc.nrao.edu
>>Subject: [10332] Emtech NW20

>>Wondering if any others that have built the NW 20 have been experiencing any problems with Foreign Broadcast stations drifting in and out of the receiver?<<

>>I have two stations that pop in and out of the rig. One is at 13.815 and the other(found this am) is at 13.615. Neither of which is at the IF freq.(9.600) or even at 4.400 - 4.470 the LO freq. The math does not add up. Tuning T-1,T-2, and T-3 do have an effect in getting rid of the station, but it also just happens to be the peak for the cw section of 20 meters.These shortwave stations come in so loud at times that it completely over rides any cw that may be present. <<

>>At Roy's and Paul's advice, I have grounded the cases of the crystals in the crystal filter stage, and also placed a .1pf cap accross the volume control. No effect at all. I have gone through and made sure all grounds are good, and made sure all the parts are in the right place. <<

Tom-

Assuming that the BC interference doesn't tune (in other words, it's simply 'there' in the background, it's intermodulation distortion (IMD). If it is tunable, which I doubt from your description, there may be higher-order mixer responses at work

That kit probably uses the ubiquitous NE602 as a first mixer. Although easy to use (I use them in my products as well), the downside to their use is a rather marginal strong-signal handling capability. Intermod problems do typically result from very strong stations adjacent to the ham bands- the selectivity of a receiver's front end simply isn't sufficient to keep the

nearby SWBC powerhouses out of the first mixer.

I'll stress that this isn't a reflection on the NW20- any of the low parts-count/ NE602-based rigs will see this behavior to varying degrees.

Fixes:

- * A better mixer- probably not a practical exercise. There's basically 'no free lunch' with mixers- you're trading power consumption or LO drive power with ease of use.

- * Better *RF* selectivity. Additional bandpass filtering right at the receiver front end will reduce the out-of-band energy making it through to the first mixer

- * RF attenuation-

A bit of RF attenuation in the RX front end may work wonders. See the SW-series (Elmer 101) for an example of a variable attenuation scheme- it puts the gain control right up front. It's worth noting that you gain a lot with this approach- if you add 10 dB of attenuation to the front end, incoming 20M signals will be 10 dB weaker but intermod will be knocked down 30 dB (to be simplistic about it). In practical terms, for all but the weakest amateur signals, you can likely spare some RX gain to make the intermod go away.

73, Dave- NN1G

Date: Thu, 7 May 1998 08:07:47 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: leon@lfheller.demon.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10397] Re: Making PCBs with an ink-jet printer
Message-ID: <kQltCAAD3VU1Ew48@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <xptUNFAiiKU1Ewps@lfheller.demon.co.uk>, Leon Heller
<leon@lfheller.demon.co.uk> writes

>I've been experimenting with techniques to make PCBs cheaply at home
>using my old HP DeskJet 520 printer. Printing 2X artwork and getting it
>reduced onto litho film, and then using positive-resist coated boards
>works well, but is expensive. I've tried printing onto OHP material and
>draughting film, but the former isn't dense enough, and the latter is
>too opaque and takes forever to dry. Photocopying onto OHP material
>works, but I don't have a copier at home.

Further to this, I've just tried printing on natural tracing paper, and that works *much* better, without the oil. The image is nice and sharp, and I should be able to get a track between IC pads.

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 07 May 1998 06:16:51 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [10398] Band Conditions
Message-ID: <3551A633.C215FBC1@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think that I would almost prefer lower numbers and less sun spots over the solar storms that we have had. This is the worst that the bands have been that I ever remember. Better the last night and day though. Get on and work 'em before they go away again!

--

Jess N0TFI <><
<http://www.concentric.net/~jessqrp> Personal Home page
<http://qsl.net/n0tfi/bug.html> Bug Stories

Date: Thu, 7 May 1998 08:37:43 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@Lehigh.EDU>
Subject: [10399] TOROIDS (fwd)
Message-ID: <Pine.GS0.3.96.980507083519.220C-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I do not know if this information was previously distributed, but those who work extensively with toroids might be interested in checking it out for relevance.

-73-

LB, W4RNL

----- Forwarded message -----

Date: Wed, 6 May 1998 20:02:25 EDT

From: Toroids <Toroids@aol.com>

Subject: TOROIDS

We have written a Toroid software package for use DC to 300 MHz. Many Years of research has gone into error corrections for the low perm cores , 200 & 360 degree coverage as well as SRF for series and shunt coils. Much of this has come about as a request from Micrometals. The pin point accuracy allows us to add a custom core feature for custom shaped cores, stacking cores side by side and machining custom phenolic cores from plastic, teflon, wood, ect...

Down load a demo or just view the software main screen at our web

<http://members.aol.com/Toroids/johnindx.htm>

Best Regards John Bellora @ B&E Engineering Software

Date: Thu, 07 May 1998 09:06:24 -0400

From: "Ed Hare, W1RFI" <ehare@arrl.org>

To: qrp-1@Lehigh.EDU

Subject: [10400] Re: "QRP Classics" - Loaner copy available!

Message-ID: <3551B1D0.1E5D@arrl.org>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

John Evans - N0HJ wrote:

>> I'm looking for a new (ha!) or used copy of "QRP Classics".

> I'll do you one better. I really only want to read the book - if
> anyone has a loaner copy they would like to loan me, I'd gladly pay
> for postage roundtrip plus handling.

I have a copy I would be willing to loan. What I will do is to collect a list of those who want to read it, and we can do a "chain letter,"

with each reader sending the book on to the next one. I am sure it will
ome back to me eventually. :-)

I will put you at the top of the list. If anyone else wants "in," email
me, first come, first served. Make sure you get an ack back from me, to
make certain your email got delivered. Include your postal address.

72,
Ed Hare, W1RFI

Date: Thu, 07 May 1998 09:22:36 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-1@Lehigh.EDU
Subject: [10401] FS: RS DSP
Message-ID: <3.0.5.32.19980507092236.00804100@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Of the items listed earlier, I have for sale

- The Radio Shack DSP 21-543. I bought this Digital Signal Processing
unit when Radio Shack was closing them out two years ago.
I've used it with my TS-430 and it attenuates heterodynes.
The unit includes a built-in amplifier and speaker and operates from
a 12 VDC supply.

\$40 includes U.S. shipping cost.

Tom, WA3REY

Tom Bowman <>< WA3REY, Mount Gretna, PA 17064

<http://www.mt-gretna.com> tbowman@mt-gretna.com

Date: Thu, 07 May 1998 08:31:56 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10402] Elmer 101: Mixer's

Message-ID: <3551B7CC.2C3DD236@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last night I stumbled across "Use SPICE to Design Your 2N2222 Receiver" in the Winter 97 QRPp (pp. 26-34). I recently purchased the back issues and became a regular subscriber.

I would highly recommend the study of this very helpful article by the neophytes among our project group. First, there is a very detailed walk through of a 'singly-balanced mixer' which approximates one-half of the Gilbert-Cell mixer (double-balanced and used in the SW 40+). Many of my questions about the functioning of the double-balanced mixer were quickly resolved through Glen's clear explanatory style.

Second, the remainder of article is a very detailed walk through of the design of a simple receiver. By a very detailed walk through I mean...there is a statement of a design "problem," the selection of a strategy to resolve the problem, the selection of components, the demonstrated use of straightforward mathematics and the fundamental electronic formulas to justify the component selection to resolve the design issues...(e.g., selection of resistors to establish bias levels, selection of inductive/capacitive components to establish Vfo operating frequency (a Colpitts oscillator), etc.) While the vfo presented in this article is "simpler" in terms of the number of components used, I would also recommend this material for the participants in the SW 40+ Elmer Project.

There are references to the use of SPICE within the text, but these references do not "interfere" with a very good presentation. I highly recommend a reading/study of this excellent article by Glen.

72,
John N9KW QRP-L#1257
Elmhurst, IL

Date: Thu, 7 May 1998 08:29:22 -0500
From: Tom Moll <tomm@xata.com>
To: "'adams@sgi.com'" <adams@sgi.com>
Cc: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [10403] Thanks Chuck
Message-ID: <01BD7992.3E5DC240@TOMM>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Chuck (K5FO),

First....

I just wanted to take a minute to express my thanks and vote of confidence and support for all the efforts you put into the QRP-L forum, and particularly for the way you have run it. In spite of occassional minor offenders, it remains one of the few Internet forums that is civil, informative, clean, etc, - almost everything that the other forums are not. A while back when a few gutter phrases showed up, you responded firmly and quickly with a note of intolerance. Though I am no prude, I respected this greatly and was glad to see it - this is no place for it. We amateurs *should* be a cut above the rest, and should at a minimum follow the same kind of rules of "operating" on the Internet that we follow on the air. Lets keep the "75m evening net" mentality out of here ! Judging from various comments seen on the list, it would appear that most would agree with these sentiments, and I'm sure that they join me in thanking you and all others that contribute time, effort, and resources to make this possible.

Second....

The Summer FOX Hunt looks like a lot of fun. Though like most QRPers, I am 98% cw, the SSB element of this is great and I will at least try to provide some Qs for others in that category. Lets hope the bands cooperate and time permits ! Hope to meet you on the air sometime.

Tom Moll, NoBS

Date: Thu, 07 May 1998 06:41:14 -0700
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [10404] List Related (computer) help
Message-ID: <3.0.1.32.19980507064114.006bfa48@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Always need faster (for reading the list), but not higher power...been there, done that.

My problem: Bought a new computer (333 mhz) with a US Robotics modem 56K

Thanks in advance for helping me increase my reading speed....Literacy is important :-)

Ed Hare, W1RFI wrote:
>

Now - what a great idea. I think we could grow this into a cool floating library. I am sure I have some loaner copies of books at home that I could even float. What are folks looking for?? Now, where did I put that copy of "US/Cuban Export Regulations" ?? :-)

<-- a smiley!!!

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Thu, 7 May 1998 15:16:08 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [10406] Dayton and K5FO
Message-ID: <199805071416.PAA12628@chuck.dallas.sgi.com>

Gang,

I have been getting too much mail on this and I have been replying whenever possible.

I have been to Dayton four years in a row. And every year the weather has gotten better (the first year it rained every minute the whole time I was there and I call that the visitor effect), the QRP crowd has gotten larger, the building contests have gotten bigger and better and more difficult to judge, and everyone gets less sleep. But I don't remember anyone getting thrown out of a restaurant like in CA. :-) Though there was the waitress at the restaurant that was pre-law and was proud of her grades and showing us all at the table her grade transcript for whatever reason. Does this stuff happen only where Paul H. goes???? Must be the Area 51 thing again. If the 20/20 TV crew shows up at Dayton, everyone run for the hills.....

This year I have been working like crazy to get to go again, but alas work scheduling has me on the left coast this year. There is no way that I can finish a class at noon on Friday, make it to Dayton by dinner time and then get back to San Jose on Sunday and be able to function on Monday, and not to mention the expense involved. I have really been working on getting my schedule rearranged to make Dayton again this year but there are some classes that noone else can cover for me.

So I am saddened by the fact that I will miss a lot of old friends made at Dayton previously and saddened by not being able to see others for the first time. But there is always next year and I will make every attempt to make it.

With Jerry Parker being there with camera in hand I know that we on the Internet can see only a small part of what is going on there. We all have to appreciate every day the fact that in this age we

can instantly share a lot of good information via 'the web' that previously would have taken months to make the newsletters and other forms of distribution non-electronic. Thanks to Jerry, Doug, and the many others that have web pages and distribution sites to share.

So, as soon as the new 'NorCal-critter' (tm) being announced at Dayton shows up on the web, the check will hit the mailbox. It has just gotta be something that we all need. Doesn't it??

One of the things that caused my missing Dayton this year was an increase in workload of 50% and a mistake on my part not to account for it in time. Won't happen again.... :-) Got the tickets for Phyllis and I to Tuthill to look at the property and meet a builder and tower company. :-) Also Pacificon is booked and Huntsville AL. So some ham activities are getting scheduled more in advance. Priorities do have something to say about what happens. :-)

OK, so much for the personal note. Everyone going to Dayton give us a report. It is QRP related material for sure. And everyone quit worrying about the political stuff on QRP-L. If you don't know what is going on, then you are not part of the problem. :-) ;-)

So everyone scarf up the good deals at Dayton and let us know about 'em so that we can be glad for you and know what to look for next year or at the next swap meet.

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 7 May 1998 06:59:46 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: laura halliday <marsgal42@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10407] Re: 2nd order intermod
Message-ID: <Pine.BSI.3.96.980507065826.19009C-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, laura halliday wrote:

> Now that my move is more-or-less consumated, I can catch
> up on my email...
>

> I'm getting an object lesson in intermodulation - it's
> *not* just numbers in a textbook. One of my current projects
> is seeing if I can worry some data out of the local
> differential GPS beacons (three are within range), and
> have already found that I will need a mixer with very
> good IP2 numbers. The problem: two local AM broadcast
> stations, one on 900 kHz, the other on 1200 kHz. The
> result: a 2nd order intermod product on 300 kHz, obliterating
> the Whidbey Island beacon on 302 kHz.
>
> Curiously, the receiver I'm using to see what I can hear
> (Sangean ATS-808/Realistic DX-380) shows good 3rd order
> intermod performance - nothing untoward on 600 or 1500 kHz.
> Just lousy 2nd order.
>
> Methinks the 74HC4066 is worth trying as a mixer...
>

You should look at my article in the September 1997 issue of
RF Design for a good high-linearity mixer. There's more to follow
on that design later.

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Circuit Design for the RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 07 May 1998 10:37:32 -0400
From: "Stephen W. Gibson" <wb4nbi@erols.com>

To: qrp-1@Lehigh.EDU
Subject: [10408] Unsoldering
Message-ID: <3551C72C.6955@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can one of you experts tell me how to clear a hole in a PCB without destroying the "solder thru" connection by drilling it out? I misread the color code on a resistor and in removing it managed to block both holes. I've tried copper braid without success.

Any hints would be appreciated.

73

Steve WB4NBI

Date: Thu, 7 May 1998 10:52:14 -0400
From: John Mckee <JMckee@RFMD.com>
To: "'QRP-L'" <qrp-1@Lehigh.EDU>
Subject: [10409] Pizza Pizza
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980507145214Z-14262@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Is this QRPizza Thursday?

John

Date: Thu, 07 May 1998 18:11:15 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: wb4nbi@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [10410] Re: Unsoldering
Message-ID: <3551CF13.603D@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Stephen W. Gibson wrote:

>

> Can one of you experts tell me how to clear a hole in a PCB without
> destroying the "solder thru" connection by drilling it out? I misread

Hi,

When my desoldering pump can't reach the hole or isn't effective, I use
a needle of a suitable thickness, or the back end of a drill bit to push
most of the solder out, while heating up the hole, of course.

cheerio,

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0457

Date: Thu, 7 May 1998 07:57:13 -0700
From: kv7g@juno.com
To: jayboy@psnw.com
Cc: qrp-1@Lehigh.EDU
Subject: [10411] Re: List Related (computer) help
Message-ID: <19980507.080856.6438.0.kv7g@juno.com>

Jay, where did you see that you were connecting at 56k ?, I find that
different programs show different connect speeds. On your Sportster,
after you disconnect from your provider, go into a terminal program and
type in either ati6 or ati7 and it will show your true connect and
transfer speed going both ways, The maximum speed up is 33.6. I often
show 45.xxx connects but in actuality they are only 33.6 or less.
You should also go to control panel, system, device manager, modem and
make sure the maximum speed is set at least to 115,200. I run my Courier
at 230,400.

You may also go to the USR website and get their toll free number to call
and check that your line is capable of X2. They have the "flash" out for
v.90 now for the Courier and I am pretty sure they have it for the
Sportster too.

Hope this helps.

Bud - KV7G - Yuma, AZ

>

>My problem: Bought a new computer (333 mhz) with a US Robotics modem
>56K

>Sportster. The old computer connects at 56K to the provider and all
>config
>settings are the same on the new machine, but the new machine will
>dial and
>connect but at only 26.4 K and not transfer information (Netscape and
>my
>Eudora mail will just sit and grind). Service techs at the provider
>say I
>have everything set ok and they can see me connected. Have
>reinstalled
>modem. No luck.....Should I throw in the towel and assume modem is
>bad?
>
>Thanks in advance for helping me increase my reading speed....Literacy
>is
>important :-)
>
>73, Jay, W6JDB Madera, CA
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 7 May 1998 11:17:47 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: "Stephen W. Gibson" <wb4nbi@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10412] Re: Unsoldering
Message-ID: <Pine.LNX.3.93.980507111518.732C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 7 May 1998, Stephen W. Gibson wrote:

> Can one of you experts tell me how to clear a hole in a PCB without

Well, if you don't have a "solder-vac" then I'd suggest heating the hole
up and giving it a sharp rap against the work bench. The other thing I
have done is solder a lead (resistor,etc) and keep it moving until the
solder cools. With this method you are *TRYING* to get a very poor or
non-existant cold solder joint. 72 es gl

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Thu, 07 May 1998 08:20:45 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [10413] Re: Unsoldering
Message-ID: <3551D14D.6EBE4C3B@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stephen,

I use an inexpensive "solder sucker" vacuum pump from Radio Shack. You can also do the job by blowing sharply on the board (in the vicinity of the hole) while the solder is molten.

Stephen W. Gibson wrote:

> Can one of you experts tell me how to clear a hole in a PCB without
> destroying the "solder thu" connection by drilling it out?

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 07 May 1998 08:36:44 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: wb4nbi@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10414] Re: Unsoldering
Message-ID: <3551729C.1D979AD3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radio Shack has a neat one-handed desoldering iron that works well. It has a vacuum bulb and a heating element, and is priced at \$9.99. Part number is 64-2060.

Couldn't get along without mine.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

"The problem with doing nothing is not knowing when you're finished"
(Nelson DeMille)

Date: Thu, 7 May 1998 09:51:59 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10415] Re: A little help from those across the pond please.
Message-ID: <Pine.OSF.3.96.980507095058.30372B-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Perhaps information on how to convert between the different systems would be useful to have on a web page somewhere.

Brian.

On Wed, 6 May 1998, Leon Heller wrote:

> In message <354F56B4.7412@vdbs.com>, Jeff Grudin
> <grudin@pacific.vdbs.com> writes
> >I am trying to build an interface that was described in a New Zealand
> >publication and uses the english notation for the resistors and caps. I
> >am not real sure and would like to verify your way of notating parts.
> >
> >Resistors:
> >3k3 = 3.3K?
> >1k = 1.0K?
> >100R= 100ohm?
> >
> >Caps:
> >1n0 = .001 uf?
> >
> >Am I close?
> >
> >Thanks for the help.
>
> Your assumptions are correct. I think the notation is actually common to

> Europe.

>

> Leon

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                               |
|                                     |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!!          |
+-----+
| "Love is a snowmobile racing across the tundra and then suddenly it |
| flips over, pinning you underneath.  At night, the ice weasels come." |
|                                     -- Matt Groening                    |
+-----+
```

Date: Thu, 07 May 1998 11:53:36 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: wb4nbi@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10416] Re: Unsoldering
Message-ID: <3551D900.2707@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stephen W. Gibson wrote:

>
> Can one of you experts tell me how to clear a hole in a PCB without
> destroying the "solder thru" connection by drilling it out? I misread the
> color code on a resistor and in removing it managed to block both holes.
> I've tried copper braid without success.

That braid will work FB if you do it right. I've never found a hole I could not clear with wick. Here is the part you are probably missing. If the solder is deep inside the hole you cant heat it directly with the iron. The secret is to ADD solder to the hole until it is full, keep it hot with the iron (don't withdraw the iron), then hit it with the wick. All the time keeping the iron on the pad. This will work.

Usually the hardest holes are the ground plane holes as the copper in the board draws the heat away faster than the iron can provide it. Sometimes a hotter (more watts) iron is needed. Most _good_ quality boards use a thermal relief pattern on the ground connections to avoid

some of this effect.

Don't give up. And also another piece of advice.... Most people will try to push harder with the iron to make the solder melt. DONT DO THAT! You will damage the pad and possibly the feedthrough. Light pressure only with the iron.

Regards,

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Thu, 7 May 1998 10:56:44 -0500
From: Bob Reynolds <breynold@sigg.com>
To: ccart@dns.vidtel.com, qrp-1@Lehigh.EDU
Subject: [10417] Re: Unsoldering -Reply
Message-ID: <98May7.105355cdt.26900@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

I have used these methods with success and can vouch for them

>>> Chris Cartwright wrote:

Well, if you don't have a "solder-vac" then I'd suggest heating the hole up and giving it a sharp rap against the work bench. The other thing I have done is solder a lead (resistor,etc) and keep it moving until the solder cools. With this method you are *TRYING* to get a very poor or non-existent cold solder joint. 72 es gl

Date: Thu, 7 May 1998 08:27:18 -0400
From: Harry Bump <bump@redrose.net>

To: "'QRP-L list'" <qrp-l@Lehigh.EDU>
Subject: [10418] Denver CO.... 'lil help?
Message-ID: <01BD79B2.31917DC0@ep2-10.desupernet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Guys,

Been licensed here in PA since high school (about 30 yrs). When I got = my novice ticket, a classmate and good friend did the same (the usual = story). It took about ten years of being out of school for us to lose = track of each other, but we did; both with families and careers. I'm an = accounting manager and stuck with the hobby; when the PC hit the = business office I was ready. My friend went to an electronics tech = school, then started his work with NCR - and let ham radio go... I = never really understood that; back in school he was always the 'gung-ho' = ham in the group!

Anyway, last year our high school put a page on the web with a place for = alumni notes.... and I found a note from him, looking for me. We've = been swapping e-mail for about six months now. He lives in Westminster = in the Denver CO area - and wants back into hammin'.... I didn't have = the heart to tell him that we don't have much use for Heath DX-40s = anymore; is there somebody out there who might consider reelin' him into = the group? With this guy's technical background and enthusiasm, I can't = imagine him being a 'store-bought' ham ! He needs 'a pointer' - someone = to let him know about licensing and how and where to test; and help = deciding how to start with equipment.

If you can spare a little time and are in the Denver area, please let me = know by direct e-mail. I really don't think my friend needs an 'elmer' = - just a little info coupled with an enthusiastic approach will cut it!

Thanks and 73,

Harry, KM3D
QRPARCI #3875

Date: Thu, 7 May 1998 12:15:33 EDT
From: Conway Yee <cyee@bidmc.harvard.edu>
To: <wb4nbi@erols.com>, <qrp-l@Lehigh.EDU>
Subject: [10419] Re: Unsoldering
Message-ID: <05071998121533.3N1638T@email.bidmc.harvard.edu>

Text of message from wb4nbi@erols.com, 7 May 1998, 10:37 AM

>Can one of you experts tell me how to clear a hole in a PCB without
>destroying the "solder thru" connection by drilling it out? I misread the
>color code on a resistor and in removing it managed to block both holes.
>I've tried copper braid without success.

I've done it by cheating. I have used the lead of the new component,
stuck it into the blocked hole, and heated the lead. As the solder
melts, I shove in the new component. Thus, I unblock the hole, solder
the new component all in one fell swoop. Usually, I have to add a bit
more solder for a good connection. Any comments on any crimes that
I have committed with this approach?

tnx Conway Yee, N2JWQ

Date: Thu, 07 May 1998 12:53:10 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-1@Lehigh.EDU
Subject: [10420] RE: 38 Spcl
Message-ID: <3.0.5.32.19980507125310.00813180@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 38 Spcl kit and the 20 meter NN1G kit has been sold.

Thanks to all who responded.

The Radio Shack DSP 21-543 is still available.
I bought this Digital Signal Processing unit when Radio Shack was closing
them out two years ago. I've used it with my TS-430 and it attenuates
heterodynes. The unit includes a built-in amplifier and speaker and
operates from a 12 VDC supply.

\$40 includes U.S. shipping cost.

Tom, WA3REY

Tom Bowman <>> WA3REY, Mount Gretna, PA 17064

<http://www.mt-gretna.com>

tbowman@mt-gretna.com

Date: Thu, 07 May 1998 09:54:37 -0700
From: Bill Todd <bill@willapabay.org>
To: zlau@arrl.org
Cc: NWQ-L@scn.org, QRP-L@Lehigh.EDU
Subject: [10421] Re: New NWQRP Contest
Message-ID: <1.5.4.32.19980507165437.0070567c@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:44 AM 5/7/98 -0400, you wrote:

>This is precisely how I operated the QRP TTF from Vermont--I didn't
>start setting up till around 1700 and made sure I was all packed up
>and on my way home before the contest ended--Zack W1VT

Hi Zack -

Good for you.

As I recall, the original intent of Field Day was to be an Emergency Exercise where radio Amateurs would be required to set up emergency operating positions, away from commercial power. It still IS that...but we all know that Field Day is more of an "event" now, with a great deal of advance planning required (as we know-- ha), and the use of pre-assembled antennas. Heck, the antennas I use on Field Day are better than the ones I have at the home QTH!

Here are the basics of the proposed contest so far...

Build your antenna on site (no pre-assembled antennas allowed) with one hour allowed to build and erect the antenna before the start of the contest.

Antenna materials allowed:

- a. 200 feet of wire (any gauge)
- b. 300 ft of rope or twine
- c. 100 ft of feedline (twin lead, ladder line, coax, etc.)
- d. Use as many insulators as you want
- e. The antenna must be built by one person and erected by one person. Operators located in areas without trees may use man-made structures (including poles and masts if needed).

(If you want to carry a big battery with a converter to use your electric soldering iron, that's OK, but I suspect that most of us will use either a propane powered iron, or just use electricians tape)

How does that sound gang? Any other suggestions?

NAME THAT CONTEST!

Coming up with an appropriate name is fun. Here are the suggestions so far:

"Built It Yourself" Contest (BIY)

"Build It On Site" Contest (BIOS)

"Fabulous Antenna Contraption" Contest (FAC)

"What In The World Is That?" Contest (WITWIT)

"I Made This" Contest (IMT)-with apologies to the X-Files closing credits

CUL, Bill-N7MFB

<http://www.willapabay.com/~bill>

ICQ me at #8926298

Date: Thu, 07 May 1998 10:00:56 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [10422] BNC for RG-174 coax
Message-ID: <3551E8C8.7249D5B2@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am trying to buy a small quantity of
BNC connectors that will work with RG-174 coax.

Please suggest sources.

Thanks very much.

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Thu, 07 May 1998 13:28:03 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>, jayboy@psnw.com

Subject: [10423] Re: List Related (computer) help
Message-ID: <3551EF23.363@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jay & Jackie wrote:

> My problem: Bought a new computer (333 mhz) with a US Robotics modem 56K
> Sportster. The old computer connects at 56K to the provider and all config
> settings are the same on the new machine, but the new machine will dial and
> connect but at only 26.4 K

The fact that you get no communication when connected sounds like a configuration problem. It's awfully hard to diagnose that "remote".

As far as your connect speed, here is a little info. There are three different 56k modem "standards" (acutally only one is a real standard).

X2 us-robotics / 3Com
56kFlex AT&T and others
V.90 The standard for 56k

V.90 was released only recently. Modems that support it are only now just coming out. The modem you used to have was either a 56k flex or an X2. Internet providers supported only one or the other. Chances are you got one of the other types with your new pc and your internet provider does not support that protocol. That would explain the 26.4k connect speed.

Do you still have your old modem?

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Thu, 07 May 1998 10:57:58 -0700
From: Monte Stark <ku7y@dri.edu>
To: bill@willapabay.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [10424] Re: New NWQRP Contest
Message-ID: <3551F626.5DD91CC1@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Todd wrote:

***** snip *****

>

> (If you want to carry a big battery with a converter to use your electric
> soldering iron, that's OK, but I suspect that most of us will use either a
> propane powered iron, or just use electricians tape)
>

Don't forget wire nuts. They are the antenna players friends! I use them
to connect my coax to the hard line at 80'. I use them to connect rotor
wires. I use them to connect coax braid to the radial system!!

No heat required. They work fine in all weather. I have seen them
covered with snow, buried in mud and full of water.

Even at that my little 200 mW seems to get to the antenna!!

> NAME THAT CONTEST!

Another Non Tower Erected Non Nebulizing Antenna (ANTENNA)

Or for the multi ops in Texas:

All Nine Texans Erected Nine Noisy Antennas (ANTENNA)

: -)

--

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 07 May 1998 12:16:02 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10425] NW20, MUF, RR mobile
Message-ID: <3551FA62.7205@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello Fellow QRPers!

Been working on my NW20 and coming up with a few answers to the SWBC problem. Nick KG5N, is working on some numbers for me so I can try a series tuned network from the antenna input to ground. Will pass all freq.s below 14 mhz to ground and allow the sweet sound of cw to pass above 14mhz...hopefully.

An idea I came up with is to try a parallel tuned network as above. Played with some numbers and came up with L= .1uh C= 1300pf(part being adjustable). This network resonates at 13.950 or so. Going to play with this after I try Nick's idea.

In the mean time I have de-tuned T-1,T-2 and C-61 and has really helped get rid of the BC, but also has sure weakened the cw stations. Guess I can work the qro boys!

Been on 20 meters today with the rig(NW20) and it is working great!! The BC station still shows itself but not as bad. Tried 30 meters today also, and that band is deader than a doornail! So, guess the MUF is 20m for a little bit.

May try 30 m or even 20m RR mobile tomorrow. Will play it by ear and see what the bands look like.

Thanks to all for the help from this group.

72,Tom WB5QYT

Date: Thu, 7 May 1998 14:24:57 EDT
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [10426] Wanted: QRP Rig(s), etc. - Trade Anyone?
Message-ID: <ac818023.3551fc7a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Hi Gang...

This is a re-send: I didn't get a single response the first time - maybe= because I listed the Subject: as "DMP Printer & HP 7550A Plotters to = trade=0Afor ...?" It might not have sounded QRP related enough. Then ag= ain, maybe no=0Aone was interested in my stuff, period. Aynway - I'm giv=

ing you a second=Achance - last time I promise.. (:8?>)

I have an Okidata 393 24-pin DMP printer almost new and in like new condition.=0AI also have three (3) HP-7550A 8-(color) pin plotters. Used very little. If=0Ayou are not familiar with these plotters they have an 8-pin carousel and=0Aoutput is in up to eight "true" colors. If for no other reason they are neat=0Ato have just to see it operate. The paper mechanism moves the paper up and=0Adown while the pen mechanism moves side to side - all at the same time. The=0Aoutput text is true letter quality and the graphics are excellent. They can=0Abe print on clear sheets for overhead projectors as well as various types of=0Apaper fro glossy to plain. I have some supplies like pens and some paper.=0AThe first unti to go will go with these supplies. Note: Supplies for these=0Aplotters are still readily available.

I'd like to trade these items for QRP rigs, built and/or un-built; Keys,=0Apaddles, bug, test equipment, etc. I'm still a relatively new ham and would=0Alike build to up my equipment inventory as well as get started in QRP.

*** I would really like to get a QRP rig on the air before the new multiband=0Arigs hit the market - (waiting like so many of you). Please write = if you have=0Aany questions?

73's es 72's de Denny

Denny / AD6EZ
PROMISE KEEPER
FISTS # 4570 / QRP-L # 1359
ARCI #9637 10-X # 69158

HAMing It Up Everyday In Goleta, CA

Section: Santa Barbara
Long: 34.437 N Lat: 119.868 W=A0=A0=A0
Grid: DM04BK
WEB PAGE: <http://members.aol.com/dennismo>=0A

Date: Thu, 07 May 1998 11:36:40 -0700
From: Bill Todd <bill@willapabay.org>
To: Monte Stark <ku7y@dri.edu>
Cc: nwq-1@scn.org, qrp-1@Lehigh.EDU
Subject: [10427] Re: New NWQRP Contest
Message-ID: <1.5.4.32.19980507183640.00706ec8@willapabay.org>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>> NAME THAT CONTEST!
>
>Another Non Tower Erected Non Nebulizing Antenna (ANTENNA)
>
>Or for the multi ops in Texas:
>
>All Nine Texans Erected Nine Noisy Antennas (ANTENNA)
>
>:-)
>
>--
>73, Ron, SOWP 5545M,

You ARE funny!
We need to get Joe Gervais or Nils in on this too. No telling what they might come up with.

How about: "Does Radio Effort Activiate My Sloper? DREAMS
or, "Qrp Utilizes Attractive and Creative Kooks QUACK

CUL, Bill-N7MFB
<http://www.willapabay.com/~bill>
ICQ me at #8926298

Date: Thu, 07 May 1998 10:41:06 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-1@Lehigh.EDU
Subject: [10428] FS/SWAP LDG auto-tuner (QRP version)
Message-ID: <3551F232.170C@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a new looking and perfectly working LDG automatic antenna tuner for sale. It is factory built and tested, in the factory enclosure. Not a scratch on it, anywhere. I have the book, too. \$125 and a few for Priority (HA!) Mail. 73 de Jim, W7LS

I'll consider a swap for a QRP rig that does 80 meters, if that works.

Date: Thu, 7 May 1998 11:39:33 -0700 (PDT)
From: Richard Fisher <nu6sn@yahoo.com>
To: qrp-l@Lehigh.EDU
Cc: russ@natworld.com
Subject: [10429] Announcing "The ARS Sojourner"
Message-ID: <19980507183933.21253.rocketmail@send1a.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

As some of you have so kindly noted in this forum, the Adventure Radio Society had its second anniversary Friday, May 1.

While the significance of that date certainly did not escape us, we were compelled to delay commemoration to coincide with the unwrapping of a birthday present to ARS members, a very supportive QRP-L and the QRP community at large.

Please help yourself to "The ARS Sojourner," the organization's new monthly web magazine making its debut today. Getting your piece of this cake is as easy as typing: <http://www.natworld.com/ars>

More than a year in development, ARS' new journal is being put together by a staff of contributing editors you'll recognize as outstanding QRPers and QRP-L contributors: Cam Hartford, N6GA; Bill Jones, KD7S; Lorraine Y. Aubert, AC6XK; Russ Carpenter, AA7QU; and Charlie Lofgren, W6JJZ.

We're also very pleased to be receiving great stories from the ARS membership at large.

Our first edition carries feature articles, photographs and graphics chronicling exciting field operations, a technical review of The Centennial SSB/CW QRP transceiver kit, the first of an ongoing series of articles examining propagation and wave behavior, results and soapbox comments from Monday's Spartan Sprint, contest updates, a rundown of just what "The ARS Sojourner" is all about, and more.

Look for each new edition on the Thursday following the first Monday of each month.

On behalf of the whole staff, welcome to Vol. 1, No. 1 of what we hope you'll find to be a great monthly adventure.

Sincerely,

Richard Fisher, nu6SN
Executive editor, "The ARS Sojourner"
(nu6SN@aol.com)

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 7 May 1998 15:18:09 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: "Kenneth McCaughey [N3FZX]" <kenneth@w3eax.umd.edu>, jsm@cen.com,
pbowling@erols.com, w3gx@yahoo.com, Chris Cartwright <ccart@dns.vidtel.com>,
whowell@hq.nasa.gov, k3tks@abs.net, w3oj@juno.com, wa8mcq@abs.net, qrp-1
<qrp-1@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-1@webtrek.com>
Subject: [10430] The DC-to-Dayton Caravan - UPDATE!
Message-ID: <Pine.LNX.3.95.980507150610.1975K-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John, W3OJ, will be going, although I haven't heard with whom and when.

Other than that, this list is pretty complete.

Leaving Wednesday morning, probably from Silver Spring

- 1) WA8MCQ
- 2) K3TKS

Leaving Wednesday, 8-ish, from Gaithersburg

- 1) N3XRV, driving his behemoth
- 2) N3BYY + Nyack (K9DOG)
- 3) W3GX
- 4) N3FZX
- 5) NF3I

(can all of the above, with gear, fit into Chris' behemoth???)
Hmmm...NF3I's vehicle serves as overflow)

Leaving Thursday morning, probably from Silver Spring

- 1) KD3FG
- 2) KA3RPU

Leaving Thursday, 11 a.m., from Annapolis

- 1) N3WNY

Flying out Friday afternoon

- 1) KB3BWR

If you have the urge to make this haj to Mecca, now's the time to let me/us/we know about it.

>

> * Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *

> * 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *

> * <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *

> *** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

>

>

>

Date: Thu, 07 May 1998 19:25:01 +0000

From: Ed Loranger <we6w@qsl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [10431] Lan Transmitters --Ham applications?

Message-ID: <35520A8D.4A00@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got two 10 Mbit/Second Lan repeaters.

Does anyone know of ham applications where these
can be uses -- Modified or unmodified?

Tks in advance.

-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Thu, 07 May 1998 14:40:21 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wb4nbi@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10432] Re: Unsoldering
Message-ID: <35520E25.9D83B602@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rubber solder sucker or pump?

--

72/73, George
Amateur Radio W5YR
QRP-L #1373 QRP ARCI #9583 FISTS #4930
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Stephen W. Gibson wrote:

>
> Can one of you experts tell me how to clear a hole in a PCB without
> destroying the "solder thru" connection by drilling it out? I misread the
> color code on a resistor and in removing it managed to block both holes.
> I've tried copper braid without success.
>
> Any hints would be appreciated.
>
> 73
>
> Steve WB4NBI

--

72/73, George
Amateur Radio W5YR
QRP-L #1373 QRP ARCI #9583 FISTS #4930
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Thu, 07 May 1998 15:45:24 -0400
From: "Stephen W. Gibson" <wb4nbi@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [10433] Unsoldering!!!!
Message-ID: <35520F54.4F36@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As of 1940 today I have had 25, yes, count 'em, 25 responses to my cry for help in unsoldering component holes in PCBs. Many thank to all of you. I'm taking the cowards way out and responding via the list.

Now to try the first 12!!

73/72

Steve, WB4NBI

Date: Thu, 7 May 1998 15:55:22 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@Lehigh.EDU
Subject: [10434] Sierra final & 10m Foxii
Message-ID: <v03102802b177ce40ad0f@[152.15.144.42]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Now that Chuck has announced a 10 meter Foxhunt, I'm motivated to increase my Sierra's output on 10 meters.

I've seen posts on replacing caps in the band modules, posts saying no need to replace them. Posts on 4:1 matching transformers replacing the choke, posts saying little or no improvement noted with the 4:1 transformer.

The only point of agreement seems to be to replace the 2N3553. What seems

to be the transistor of choice for those of us who wish to drop in a replacement? I personally don't like to twist leads or use a T0-220 in place of the 2N3553, but will if necessary.

What has worked for you?

72/73 and thanks in advance.

Rick kf4ar

Date: Thu, 7 May 1998 13:03:38 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Cc: nwq-l@scn.org
Subject: [10435] Re: New NWQRP Contest
Message-ID: <199805072003.NAA25239@usr06.primenet.com>

Howdy,

Bill (N7MFB) wrote:

>

> We need to get Joe Gervais or Nils in on this too. No telling

> what they might come up with.

Dear Lord above - I've been mentioned in the same breath as Nils! Nurse, call my pharmacist - stat! :-)

Thanks, but I'd best just stay out of this one.
Already way over my head in rabid alligators as it is. ;-)

Hmmm.... Oh what the heck!

"Normalized Expedient Radiator Designer's Sprint"

Hey, I can say that "'cuz I *are* one"! Just ask my wife. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Nobody has so many friends that he can afford to lose one. -- Edward Abbey

Date: Thu, 7 May 1998 16:30:57 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [10436] PC-VFO shipping
Message-ID: <01BD79D5.A2C8B760.tracy@bytemark.com>

The PC-VFO is now shipping.

Anyone interested in seeing a photograph of the unit (without the endplate ...) can see it at
<http://www.bytemark.com/waveguide/pcvfo.htm> . The photo is enlarged a bit to see the detail. There's also a screen shot of one of the sample programs shipping with the card.

We will have a page up just after Dayton for downloads of other PC-VFO software, and for uploads if anyone decides to post their own 'homebrew' software.

We will have about 100 left to bring to Dayton on this run.

Thanks for the bandwidth!!
Tracy Markham, N4LGH, QRP-L #1453
ByteMark
www.bytemark.com
tracy@bytemark.com
800 679-3184

End of QRP-L Digest 1084

